



## Hands-On: Deploying WordPress

**Step 1:** Create a folder called “docker-wordpress”

```
$ mkdir docker-wordpress  
$ cd docker-wordpress
```

**Step 2:** Write the sample YAML file in “docker-compose.yml” file

 ubuntu@ip-172-31-44-168: ~/docker-wordpress

```
ubuntu@ip-172-31-44-168:~$ mkdir docker-wordpress  
ubuntu@ip-172-31-44-168:~$ cd docker-wordpress  
ubuntu@ip-172-31-44-168:~/docker-wordpress$
```

```
version: '3.3' services:  
  db:  
    image: mysql:5.7 volumes:  
      - db_data:/var/lib/mysql restart:  
        always environment:  
          MYSQL_ROOT_PASSWORD: somewordpress  
          MYSQL_DATABASE: wordpress MYSQL_USER:  
            wordpress MYSQL_PASSWORD: wordpress  
  wordpress:  
    depends_on:  
      - db  
    image: wordpress:latest ports:  
      - "8000:80"  
    restart: always  
    environment:  
      WORDPRESS_DB_HOST: db:3306  
      WORDPRESS_DB_USER: wordpress  
      WORDPRESS_DB_PASSWORD: wordpress  
volumes: db_data:
```

ubuntu@ip-172-31-44-168: ~/docker-wordpress

```
ubuntu@ip-172-31-44-168:~/docker-wordpress$ sudo nano docker-compose.yml
ubuntu@ip-172-31-44-168:~/docker-wordpress$
```

ubuntu@ip-172-31-44-168: ~/docker-wordpress

```
GNU nano 2.9.3 docker-compose.yml

version: '3.3'
services:
  db:
    image: mysql:5.7
    volumes:
      - db_data:/var/lib/mysql
    restart: always
    environment:
      MYSQL_ROOT_PASSWORD: somewordpress
      MYSQL_DATABASE: wordpress
      MYSQL_USER: wordpress
      MYSQL_PASSWORD: wordpress
  wordpress:
    depends_on:
      - db
    image: wordpress:latest
    ports:
      - "8000:80"
    restart: always
    environment:
      WORDPRESS_DB_HOST: db:3306
      WORDPRESS_DB_USER: wordpress
      WORDPRESS_DB_PASSWORD: wordpress
volumes:
  db_data:

```

**Step 3:** To build this docker-compose file the syntax is the following:

```
$ sudo docker-compose up -d
```

ubuntu@ip-172-31-44-168: ~/docker-wordpress

```
ubuntu@ip-172-31-44-168:~/docker-wordpress$ sudo docker-compose up -d
Creating network "docker-wordpress_default" with the default driver
Creating volume "docker-wordpress_db_data" with default driver
Pulling db (mysql:5.7)...
5.7: Pulling from library/mysql
```

**Step 4:** Ensure all your containers are running

```
$ sudo docker ps
```

```
ubuntu@ip-172-31-44-168: ~/docker-wordpress
ubuntu@ip-172-31-44-168:~/docker-wordpress$ sudo docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS
4613f09141be   wordpress:latest                   "docker-entrypoint.s..." About a minute ago Up About a minute
/tcp          docker-wordpress_wordpress_1_73bffdca087
85df68a0996b   mysql:5.7                         "docker-entrypoint.s..." About a minute ago Up About a minute
tcp          docker-wordpress_db_1_f8a991f50456
```